

Work Order ID 143825

143825

Page 1

Wednesday, March 23, 2016 9:48:01 AM

Item ID: D2370-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Litter Frame Assembly

Start Date: 3/24/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 4/1/2016 Req'd Qty: 1.00 ***1*** Customer:

Reference: REF w/o 141136

Approvals: Process Plan: MA Date: 16-3-23 Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2370	REV D								

100 PURCHASING 0.00
100
 Purchasing Memo 0.00
 Purchasing Issue p/o: 3W66
 Order: Model 12-2A undrilled with grey pad & black belts
 Supplier: Ferno Aviation
 Letter of compliance required

110 Receive & Inspect for Damage & Mat'l Certs 0.00
110
 Packaging Memo 0.00
 Packaging Insure that letter of compliance is attached to w/o

120 QC6- Inspect dimensions to drawing 0.00
120
 QC Memo 0.00
 Quality Control

1X 2016-03-21

DAS
38
9-88

1 16-03-21

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : ☐					

Work Order ID 143825

Wednesday, March 23, 2016 9:48:01 AM

143825

Page 2

Item ID: D2370-1

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Litter Frame Assembly

Start Date: 3/24/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 4/1/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Small Fab	0.00							
130									
Small Fab	Memo	0.00							
Small Fab	1- Assemble D2374 STUDS WITH HARDWARE as per Dwg D2370 2-Assemble d2379 belt as per dwg								
140	QC5- Inspect part completeness to step on W/O	0.00							
140									
QC	Memo	0.00							
Quality Control	Check for loose rivet and ensure fit of D4812-041								
150	Identify as per dwg & Stock Location: <u>7206</u>	0.00							
150									
Packaging	Memo	0.00							
Packaging	LOCATION: 6A								

MAR 23 2016

DAS
38
9-89

MAR 29 2016

DAS
6
9-89

MAR 30 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
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Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
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LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____							
Misidentified ☐	☐ Past Due								

Wednesday, March 23, 2016 9:48:01 AM

Item ID: D2370-1

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Litter Frame Assembly

Stop *NS2*

Start Date: 3/24/2016 **Start Qty:** 1.00

*** 1 ***

Cust Item ID:

Required Date: 4/1/2016 **Req'd Qty:** 1.00

*** 1 ***

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/
Work Center ID

Operation Description

Set Up/ Run Hours

Tool ID	Tool #	Plan Code
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Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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160

QC21- Final Inspection - Work Order Release

0.00

160

OC

Memo

0.00

Quality Control

MLZ

MAR 30 2016

ML5 MAR 30 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																														
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Picklist Print

Wednesday, March 23, 2016 9:48:09 AM

Page 1

Work Order ID: 143825

143825

Parent Item: D2370-1

D2370-1

Parent Item Name: Litter Frame Assembly

Start Date: 3/24/2016

Required Date: 4/1/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 13-07-22 JLM VERIFIED BY:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D2370-1P		Purchased	No				Each	2.0000		①			
D2370-1P									**				
Litter Frame Assembly													

Location	Loc Qty	Loc Code
ST	2	
141136	①	
141137	1	

D2374		Manufactured	No				Each	19.0000		4			
D2374									**				
Stud													

Location	Loc Qty	Loc Code
ST006	19	
139525	3	
140114	16	

D2378		Manufactured	No				Each	20.0000		4			
D2378									**				
Bolt													

Location	Loc Qty	Loc Code
ST007	20	
140011	20	

D2484		Manufactured	No				Each	42.0000		4			
D2484									**				
Locknut													

Location	Loc Qty	Loc Code
GA	42	
135436	42	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Picklist Print

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Page 2

Work Order ID: 143825

143825

Parent Item: D2370-1

D2370-1

Parent Item Name: Litter Frame Assembly

Start Date: 3/24/2016

Required Date: 4/1/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0416J

Purchased

No

Each

4,298.000

4

NAS1149D0416.J

FF

MAR 23 2016

WASHER

Location

Loc Qty

Loc Code

GA

256

m131511

256

ST260a

1984

m131511

1984

ST264

2058

m131511

2058

4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

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OTHER :									

Work Order ID 141136

Thursday, January 28, 2016 8:14:15 AM

141136 SEE W/O 14382S

Page 1

Item ID: D2370-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Litter Frame Assembly

Start Date: 1/28/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/28/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: *MCS*Date: **JAN 28 2016** Tooling:

Date:

Run Start ***NR1***

QC:

Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D2370

REV D

100

0.00

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue p/o: *3166*

Order: Model 12-2A undrilled with grey pad & black belts

Supplier: Ferno Aviation

Letter of compliance required

LC 16-01-20

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

Insure that letter of compliance is attached to w/o

1X SP16-03-21

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

1

DAS
38
9-89
MAR 22 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

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Work Order update only ☐

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		OTHER : _____																																																																					

Work Order ID 141136

Thursday, January 28, 2016 8:14:15 AM

141136

Page 2

Item ID: D2370-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Litter Frame Assembly

Start Date: 1/28/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/28/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Small Fab

Small Fab

Memo

0.00

Small Fab

1- Assemble D2374 STUDS WITH HARDWARE as per Dwg D2370
2-Assemble d2379 belt as per dwg

140

QC5- Inspect part completeness to step on W/O

0.00

140

QC

Memo

0.00

Quality Control

Check for loose rivet and ensure fit of D4812-041

150

Identify as per dwg & Stock Location: _____

0.00

150

Packaging

Memo

0.00

Packaging

LOCATION : GA

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	Past Due ☐							

Work Order ID 141136

Thursday, January 28, 2016 8:14:15 AM

141136

Page 3

Item ID: D2370-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Litter Frame Assembly

Start Date: 1/28/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/28/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00

160

QC

Memo

0.00

Quality Control

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
☐ Environment	☐ Design	☐ Doc/Data	☐ Equip/Tooling	☐ Handling/Pre	☐ Material	☐ Internal Transport	☐ Tribal Knowledge
☐ No Re-verification	☐ Operator	☐ Offset/Setup	☐ Supplier	☐ Training	☐ Use for Testing	☐ Poor Information	☐ Rushing
☐ Pressure/Forced	☐ Bending	☐ Centre Not Concentric	☐ Cracks	☐ Crimp/Kink/Ripple/Wave	☐ Cuffs	☐ Crushing	☐ Heat Treat
☐ Temperature/Cure	☐ Set-up	☐ BOM/Route	☐ Broken/Damage/Defect	☐ Inspection Incomplete/Unqualified	☐ Contamination	☐ Countersink	☐ Cut Too Short
☐ Power Loss/Surge	☐ Folio/Program	☐ Grain	☐ Weld	☐ Wrong Stock Pulled	☐ Out of Sequence	☐ Off-set	☐ Mislabeled
☐ Positioned Wrong	☐ Outside Dimensions	☐ Over/Under tolerance	☐ Part Incorrect	☐ Part Lost/Missing	☐ Part Moved	☐ Drawing	☐ Finish
☐ Misread	☐ Turning Sequence						
☐ Past Expiry Date	☐ Misidentified	☐ Past Due	OTHER :				

Picklist Print

Thursday, January 28, 2016 8:14:20 AM

Page 1

Work Order ID: 141136

141136

Parent Item: D2370-1

D2370-1

Parent Item Name: Litter Frame Assembly

Start Date: 1/28/2016

Required Date: 1/28/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 13-07-22 JLM VERIFIED BY:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2370-1P		Purchased	No				Each	0.0000		1			
D2370-1P									**				
Litter Frame Assembly													
D2374		Manufactured	No				Each	3.0000		4			
D2374									**				
Stud													

1/8 8p/16-03-21

			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
			ST006	3	
			139525	3	
D2378		Manufactured	No		
D2378					
Bolt					

			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
			ST007	20	
			140011	20	
D2484		Manufactured	No		
D2484					
Locknut					

			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
			GA	42	
			135436	42	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

Picklist Print

Thursday, January 28, 2016 8:14:20 AM

Page 2

Work Order ID: 141136

Parent Item: D2370-1

Parent Item Name: Litter Frame Assembly

141136

D2370-1

Start Date: 1/28/2016

Required Date: 1/28/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0416J

Purchased

No

Each

4,466.000

4

NAS1149D0416.I

WASHER

Location

Loc Qty

Loc Code

GA

300

m131511

300

ST260a

1986

m131511

1986

ST264

2180

m131511

2180

Thursday, January 28, 2016 8:14:20 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

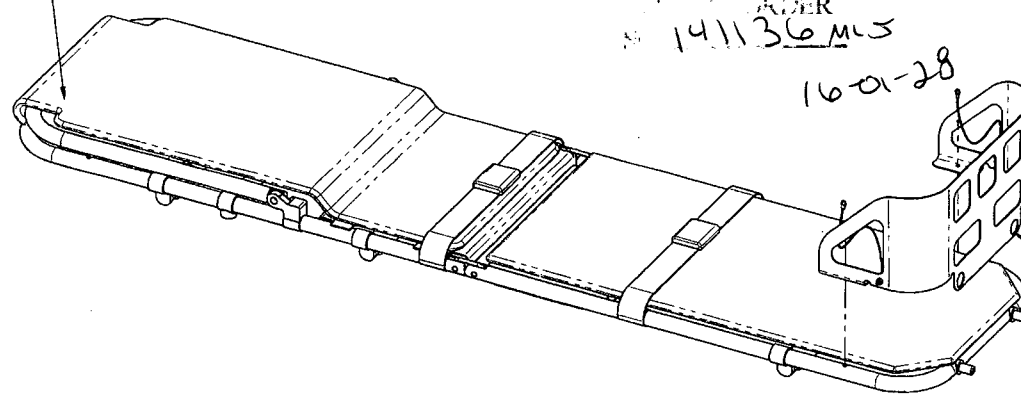
Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
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Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

8 7 6 5 4 3 2 1

ITEM	QTY	P/N	DESCRIPTION
	X	D2370-041	LITTER ASSEMBLY
1	1	D2370-1	LITTER FRAME ASSY
2	1	D4812-041	PATIENT STOP ASSY

STOCK COPY
 RETURN TO
 ENGINEERING
 UACON. ADD COPY
 SUBJECT TO ENDORSEMENT
 W/STOCK OFFICE
 ORDER
 141136 M/S
 16-01-28

D2370-1 LITTER FRAME ASSEMBLY



D4812-041 PATIENT STOP ASSY

POSITION PATIENT STOP OVER
 FWD STUDS AND SECURE
 WITH PIP PINS

D2370-041 LITTER ASSEMBLY

RELEASED
 2013-05-16
 MD

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 25.73 Lbs

D	Ø0.257 HOLES WERE Ø0.191 HOLES, 2PL (ZN C3-2). CREATED -1 AND -041 ASSEMBLIES, NEW DWG FORMAT	DB	13.03.27
C	ADD ALTERNATE FOR D2484, MS SCREWS, TAPPED HOLES AND 5.00 WAS 5.34	KE	06.11.21
B	ADDED Ø0.191 HOLES	KE	98.06.09
A	NEW ISSUE	NA	95.02.20
REV.	DESCRIPTION	BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D2370 REV. D TITLE LITTER ASSEMBLY SCALE NTS COPYRIGHT © 1986 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. IT IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DRAWN	DB		
CHECKED	A.P.		
MFG. APPR.	2/1		
APPROVED	1/1		
DE APPR.	1/1	DATE 13.03.27	

8 7 6 5 4 3 2 1

DQA: _____ Date: _____



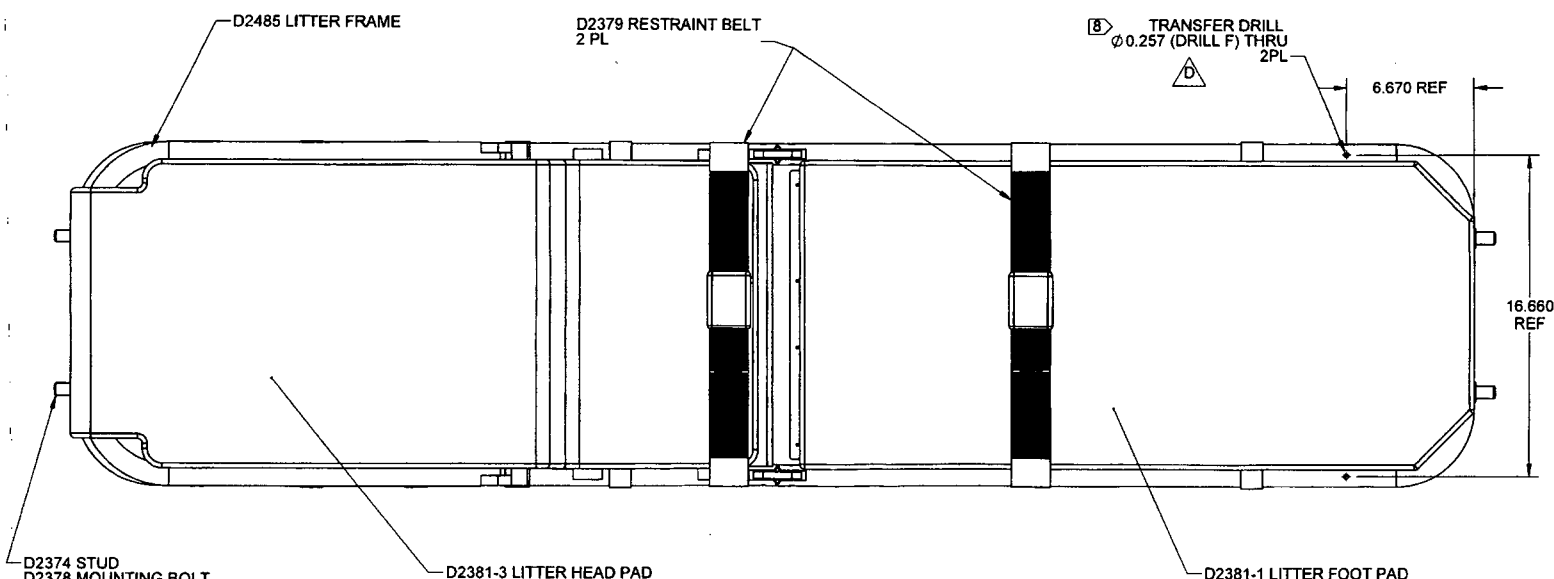
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																																			
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ITEM	QTY -1	P/N	DESCRIPTION
	X	D2370-1	LITTER ASSEMBLY
1	4	D2374	STUD
2	4	D2378	MOUNTING BOLT
3	2	D2379	RESTRAINT BELT
4	1	D2381-1	LITTER FOOT PAD
5	1	D2381-3	LITTER HEAD PAD
6	4	D2484	LOCK NUT
7	1	D2485	LITTER FRAME
8	4	AN960JD416L	WASHER



D2370-1 LITTER ASSEMBLY

RELEASED
2013-05-16

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D2370-1" USING A REMOVABLE TAG AS PER QSI 044 METHOD 6.6
 - 7) WEIGHT: 24.69 Lbs
 - 8) TRANSFER DRILL USING D4812-041 AS TEMPLATE. ENSURE FIT AND REMOVE FOR SHIPPING

DESIGN	DB	DART AEROSPACE LTD	
DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AP	DRAWING NO.	REV. D
MFG. APPR.	AP	D2370	SHEET 2 OF 2
APPROVED	AP	TITLE	SCALE
DE APPR.	AP	LITTER ASSEMBLY	NTS
DATE	13.03.27	COPYRIGHT © 1996 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
								Approval	
Root Cause		FAULT CATEGORY							
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31166

Purchase Order Date 1/28/2016 8:18:52 AM

PO Print Date 1/28/2016

Page Number 1 of 2

Order From :
FERNO AVIATION INC.
735-B BRANCH DR.
ALPHARETTA,, GA 30004
US

VU-FER001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
JAN 28 2016

Contact Name
Vendor Phone 770 521 1005

Ship To Contact
Ship To Phone
Ship Via: Fedex P1
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D2370-1P AS PER DGW D2370 REV. D B141137	Litter Frame Assembly	2/10/2016 Yes 2/10/2016		1.00 Each	\$1,706.00	\$1,706.00

Line Total: \$1,706.00

2 D2370-1P

Litter Frame Assembly
2/10/2016
Yes
2/10/2016

AS PER DGW D2370 REV. D
B141136

1.00
Each
\$1,706.00
\$1,706.00

Line Total: \$1,706.00

PO Instructions: Fedex Acc#151793240

Note:

1/28/2016

FERNO Aviation, INC.

735-B Branch Drive
Alpharetta, GA 30004
Office 770-521-1005
Fax 770-521-0910

Packing Slip

DATE	PACKING SLIP NO.
3/16/2016	16633

BILL TO
Dart Aerospace, Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada Attn: Accounts Payable

SHIP TO
Dart Aerospace, Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada Ref: PO31166

P.O. NUMBER	TERMS	REP	SHIP DATE	SHIP VIA	FOB	
PO31166	Net 30	CW	3/16/2016	FedEx Economy	Alpharetta,GA	
ITEM	DESCRIPTION				QTY ORD.	QTY DEL.
12-2A (DART)	12-2A Litter Assembly W/Gray FAA Approved cover/pad assy. and Black FAA approved patient restraints , Serial # 16N342998, 16N342999 (HS Code 8803.30.00.00) Order will ship via Fed-X Economy using Dart Aerospace's Fed-X Acct. #151793240.				2	2

SP16-03-21

Thank you for your order!

Aircraft Belts Inc.
1176 Telecom Drive
Creedmoor NC 27522



Form: SC-108B
Phone: (800) 847-5651
Fax: (919) 956-4220

Print Date: 12/10/2015
Print Time: 1:16:59PM
Page: 1

FAA R.S. #: YB1R632K

PACKING SLIP / CERTIFICATION

Packing Slip: 22997

Cust. ID: F38

TERMS: Net 30

Ship To:

Ferno Aviation
735-B Branch Drive
Alpharetta GA 30004

Sold To:

Ferno Aviation
735-B Branch Drive
Alpharetta GA 30004

PO: 9471
Ship Date: 12/10/2015

Ship Via: UPS 1- Ground
SO: 98929

FOB: ORIGIN
Sales Person: Duncan, Virginia

***** Ship UPS Ground acct # E1129E *****

Line	Planned Qty	Shipped Qty	Backorder	Part Number	Revision
1	60.00 EA	60.00	0.00	STFL	D
Description: STFC3030-810 Stretcher Belt -					



12/14/15

CERTIFICATION

This is to certify that the above components have been manufactured, rebuilt or repaired and inspected in accordance with current Federal Aviation Regulations: TSO-C22 and/or TSO-C114 and found airworthy for service unless otherwise noted. The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those desiring to install either on or within a specific type of class of aircraft to determine that the aircraft installation conditions are within the TSO standards. If not within the TSO standards, the article may be installed only if further evaluation by the applicant documents an acceptable installation and is approved by the administrator. Details of this manufacture, rebuild or repair are on file at this facility. Refer to packing slip for additional details.

BY: _____

Duncan S. Clark



P 937.382.1451
F 937.382.1191

70 Weil Way
Wilmington, Ohio 45177

877.733.0911
www.ferno.com

22 January, 2016

Certificate of Conformance

Supplier: Ferno-Washington Inc.

Supplier Address: 70 Weil Way
Wilmington, Ohio 45177 USA
937-382-1451

Order No. 182996

Reference P.O. Ferno Aviation PO#: 9490
Dart Aerospace PO# 31166

Model No. Model 12-2 Emergency Stretcher

Item Number: Ferno-Washington #
0163255 12-2 STRETCHER GRAY

Ferno Catalog Number: N/A

Serial Nos. 16N342998, 16N342999, 16N343000, 16N343001, 16N343002,
16N343003, 16N343004, 16N343005, 16N343006, 16N343007

I certify that the above referenced products are produced in accordance with applicable Ferno-Washington Inc. quality standards using approved manufacturing methods and materials. The products have been inspected using approved test procedures and inspection criteria for Ferno-Washington medical devices.

Ferno-Washington Inc. is a registered manufacturer (Registration No. 1523574) with the United States Food and Drug Administration (FDA) as a manufacturer of medical devices, the Quality Management System is in compliance to the FDA's Code of Federal Regulations 21 CFR Part 820.

Ferno-Washington, Inc. also maintains a Quality Management System that fulfills the requirements of ISO 9001:2008 and ISO 13485:2003. Copies of Ferno-Washington, Inc.'s ISO 9001 and ISO 13485 certificates issued by Intertek are available upon request.

Shawn Fitzgerald
Director of Quality



P 937.382.1451
F 937.382.1191

70 Weil Way
Wilmington, Ohio 45177

877.733.0911
www.ferno.com

2016

Burn Certificate

Order No. 182996

Reference P.O. Ferno Aviation PO#: 9490
Dart Aerospace PO# 311664

Model No. Model 12-2 Emergency Stretcher

Item Number: Ferno-Washington #
0163255 12-2 STRETCHER GRAY

Ferno Catalog Number: N/A

Serial Nos. 16N342998, 16N342999, 16N343000, 16N343001, 16N343002,
16N343003, 16N343004, 16N343005, 16N343006, 16N343007

We certify that the material(s) listed above complies in all respects with the flammability requirements of the Department of Transportation Federal Aviation Administration FAR 25.853 appendix F Part I (a)(1)(ii).

FAR 25.853 "...The average burn length may not exceed six inches and the average flame time, after removal of the flame source, may not exceed 15 seconds. Drippings from the test specimen may not continue to flame for more than an average of three seconds after falling.

Shawn Fitzgerald
Director of Quality